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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,359	04/11/2005	Heine Buus Pedersen	PATRADE	5016
7590	10/07/2005		EXAMINER CONLEY, FREDRICK C	
James C Wray Suite 300 1493 Chain Bridge Road McLean, VA 22101			ART UNIT 3673	PAPER NUMBER

DATE MAILED: 10/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/528,359

Applicant(s)

PEDERSEN ET AL.

Examiner

FREDRICK C. CONLEY

Art Unit

3673

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |  |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>7/14/05</u> . | 6) <input type="checkbox"/> Other: ____  |

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Pat. No. 5,697,109 to Hodgetts.

Claim 1, Hodgetts discloses an aid for turning persons lying on a bed, particularly persons lying on an operation table, characterized in that the aid includes a rotatable roller 42 oriented in parallel with and capable of being suspended at a long side of a bed or the under frame of the bed, where the rotational axis of the roller is capable of being elevated above the resting surface of the bed (fig. 2), as the ends of the roller are suspended at free ends of, upright brackets 50 releasably attached at the long side of the bed (fig. 1).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2, 4-8, and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 5,697,109 to Hodgetts in view of U.S. Pat. No. 4,747,170 to Knouse.

Claims 2 and 4-5, characterized in that an electric motor is provided at least at one end of the roller for rotation of the roller around its rotational axis (col. 7 lines 50-52). Hodgetts fails to disclose that the motor has gears and is fastened to the free end of a bracket with a fitting and a control unit. Knouse discloses an aid having a motor 62 having a gear reduction box 60 and connected to a control unit including a handheld operating panel 73 connected thereto via a communication interface. It would have been obvious for one having ordinary skill in the art at the time of the invention to employ a gear box and control unit as taught by Knouse in order to automatically move the patient along the bed of Hodgetts. With regards to the motor constituted by a step motor it is well known that a step motor and electric motor are equivalent means and it would have been obvious for one having ordinary skill in the art the time of the invention to employ a step motor as an alternative motive means for the aid of Hodgetts.

Claim 6, characterized in that the brackets are constituted by angular fittings having legs (54,56) with holding means 70 disposed opposite to the free ends for releasable attaching of brackets and thereby the aid at the long side of a bed or its

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under frame, in that the holder means are adapted and interacting with the long side of the bed or its under frame so that the brackets and the roller are capable of absorbing forces oriented transversely and obliquely upwards relative to the resting surface of the bed (col. 5 lines 19-32).

Claim 7, characterized in that the holder means are adapted and interacting with the long side of a bed or its under frame so that the free ends of the brackets are capable of pivoting within an acute angle in relation to vertical.

Claim 8, characterized in that the roller surface has been provided with means for securing a sheet, and that the means includes a commonly known mechanical fastening means such as an adhesive tape (col. 6 lines 6-8).

Claim 10, including sliding guide ways interacting with holding means is mounted on a long side of the bed or its under frame, and where on the surface of the bed there is laid a sheet, one side of which being fastened to the roller by rolling up around it, and where the sheet is displaceable in the transverse direction of the bed by activation of the gear motor so that the sheet is rolled up on the roller.

Claims 3, 9, and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Pat. No. 5,697,109 to Hodgetts in view of U.S. Pat. No. 4,747,170 to Knouse, and further in view of EPO Pat. No. 374,784 to Fregni et al.

Claims 3, Hodgetts, as modified, discloses all of the Applicant's claimed limitations except for the gear motor disposed inside a cavity in the roller. Fregni discloses a motor disposed inside a cavity of a roller by a carrier bolt inserted through a hole in the wall of the roller (fig. 2). It would have been obvious for one having ordinary skill in the art at the time of the invention to have the motor disposed inside the cavity as taught by Fregni in order to provide an alternative means to power the roller of Hodgetts.

Claim 9, Hodgetts discloses all of the Applicant's claimed limitations except for having a separate unit. Knouse discloses a separate unit 10 including wheels 20 and a member 31 telescopically received in an upstanding leg 28 (fig. 1). It would have been obvious for one having ordinary skill in the art at the time of the invention to employ wheels and telescopic members as taught by Knouse in order to easily transport the aid from one bed to another. Hodgetts also fails to disclose actuators. Fregni discloses an aid with actuators 18. It would have been obvious at the time of the invention to employ actuators as taught by Fregni in order to raise and lower the aid of Hodgetts.

Claim 11, wherein on the surface of the bed there is laid a sheet having one side fastened to the roller by rolling up around it, and where the sheet is displaceable in the transverse direction of the bed by activating the gear motor so that the sheet is rolled up on the roller.

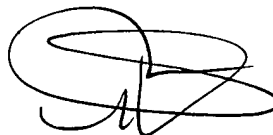
**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FREDRICK C. CONLEY whose telephone number is 571-272-7040. The examiner can normally be reached on M-TH.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, HEATHER SHACKELFORD can be reached on 571-272-7049. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FC

A handwritten signature in black ink, appearing to be 'H. Shackelford', written over a large, stylized 'S'.

HEATHER SHACKELFORD  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600